3.2.1 Warm Up Answer Key

Given the linear function, complete the chart below to show the translation of the function illustrated in column 1.

In column 2, give the point (h, k).

In column 3, describe the translation in words. (left/right, up/down)

In column 4, write the equation in slope-intercept form. (y = mx + b)

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| --- | --- | --- | --- |
| **Function** | **(h, k)** | **Translation in words** | **y =** |
|  | ***(6,0)*** | ***Right 6 units*** |  |
|  | ***(0, 6)*** | ***Up 6 units*** |  |
|  | ***(0,- 4)*** | ***Down 4 units*** |  |
|  | ***(3, 4)*** | ***Right 3 units, up 4 units*** |  |
|  | ***(-2, -4)*** | ***Left 2 units, down 4 units*** |  |